

	Application No.	Applicant(s)
Notice of Allowability	10/695,306	PUNSALAN ET AL.
	Examiner	Art Unit
	PHUC T. DANG	2818
	PHUC I. DANG	2010
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to October 28, 2003.		
2. The allowed claim(s) is/are <u>1-49</u> .		
3. The drawings filed on 28 October 2003 are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 		
Attachment(s)	FOR THE DEPOSIT OF BIOLOGIC	AL MATERIAL.
1. Notice of References Cited (PTO-892)		Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Da	
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 102803		ment/Comment
4. ☐ Examiner's Comment Regarding Requirement for Deposit		ent of Reasons for Allowance
of Biological Material	9. Other	•
PRIMARY EXAMINER Sungphur		

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DETAILED ACTION

1. Claims 1-49 are allowed.

The following is an examiner's statement of reasons for allowance: 2.

None of the prior art teaches the step of depositing a liquid precursor solution onto a substrate, forming a liquid film, the liquid precursor solution having at least one soluble metal salt dissolved into a photoresist; patterning the liquid film; and heating the patterned liquid film, thereby producing the patterned ceramic film in combination with the other steps found in each of the independent method claims 1, 42 and 43 and with the other structure of the independent apparatus claim 23.

None of the prior art teaches a structure of a ceramic film comprising means for converting the precursor solution into the ceramic film having the pattern therein, wherein the ceramic film is adapted for use as at least one of ion-conducting ceramics, electrodes, hard ceramic coatings, transparent conducting oxides, transparent semiconductor oxides, ferroelectric oxides, and dielectric oxides in combination with the other structure of the independent apparatus claim 45.

None of the prior art teaches the step of firing the patterned liquid film at a temperature sufficient to substantially drive off organic materials, thereby rendering the patterned ceramic film; wherein the patterned ceramic film is adapted for use as at least one of ion-conducting ceramics, electrodes, hard ceramic coatings, transparent conducting oxides, transparent semiconductor oxides, ferroelectric oxides, and dielectric oxides in combination with the other steps found in the independent method claim 46.

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Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submission should be clearly labeled "Comments on Statement of Reasons for

Allowance".

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Phuc T. Dang whose telephone number is (571) 272-1776. The examiner

can normally be reached on 8:00 am-5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

David C. Nelms can be reached on (571) 272-1787. The fax phone numbers for the organization

where this application or proceeding is assigned are 703-872-9306 for regular communications

and After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding 6.

should be directed to the receptionist whose telephone number is 703-308-0956.

Langshow

Phuc T. Dang

Primary Examiner

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